

Japan imports

S. Energy Policy Is Reversed Pro-Nuclear Reagan Budget

By Peter Behr
Washington Post Service
WASHINGTON — In cutting the Reagan administration's unobtrusively rewritten energy policy that prevailed for the last four years, Mr. Reagan will make public his determination to increase sharply the subsidies for nuclear energy the Carter administration limited, and Mr. Reagan will reduce the subsidies for solar power and other alternative energy sources. They undercut companies that have been lining up for synthetic fuel subsidies. They severely reduce federal programs intended to help the poor cope with soaring fuel costs.

Behind these moves is the administration's determination to get the government "out of the energy business," Reagan aides say. With recent increases in oil prices, heavy federal subsidies are no longer needed to support competing energy technologies, they maintain.

Reagan Moves to Soften Pollution Standards

By Peter Behr
Washington Post Service
WASHINGTON — The Reagan administration has decided to relax air pollution standards to make it easier for steel producers and other industries to expand and modernize, Vice President Bush announced.

Reagan's office said Saturday that the proposed change in Environmental Protection Agency rules would permit refineries to install a process more than 100 barrels a day of oil in place of the furnace being processed.

The proposed policy, an extension of the Carter administration's "bubble" policy, designed to give companies considerable flexibility in meeting pollution regulations, but not widely used. In effect, the policy assumes that an entire plant is covered by an imaginary bubble, and a company can modernize installations under the bubble as long as the overall plant emissions decline or remain the same.

Germany

The Associated Press
BERG — Thousands of young youths demonstrating in Nuremberg, protesting housing shortages and the arrests of neighbors. Police in Berlin arrested 109 houses had been squatters.

Italian Guerrilla Gets 23-Year Prison Term

The Associated Press
TURIN — Maurizio Bignami, 29, leader of the Front Line urban guerrilla group, was sentenced to 23½ years in prison Friday for attempted homicide, robbery and illegal possession of arms.

Reagan Budget to Slash Federal Lending

By Steven Ratner
New York Times Service
WASHINGTON — The budget plan taken by the Reagan administration will result in a sharp reduction in federal lending activity, according to David A. Stockman, director of the Office of Management and Budget.

The changes in federal lending activity would reduce the size of the loan programs, but not end them. For example, student loans, which are now available to every-

Other basic research in breeder reactor technology will be increased nearly 40 percent to \$500 million in fiscal 1982, sources said — a victory for the Senate Energy Committee's Republican chairman, Sen. James McClure of Idaho, whose state is a center for nuclear research.

Breeder Research

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The Clinton River, Tenn., breeder reactor, which Mr. Carter tried unsuccessfully to kill, will reportedly receive \$254 million for the 1982 fiscal year in Mr. Reagan's March 10 budget, enough to begin construction. This is a victory for Senate Majority Leader Howard H. Baker Jr., R-Tenn.

WMP, designed for deep burial of low-level radioactive waste, could become a disposal site for the highly radioactive wastes that no one wants next door.

"Windmill Freaks"

"Today it is the nuclear breeder lobby looking for a large, uneconomic subsidy. Tomorrow it will be the solar power gang, then the windmill freaks, and so on in a never-ending stream of nostrified palms," Mr. Stockman said.

One battle that Mr. Stockman has apparently won, however, was to block Mr. Edwards' bid to have the government purchase the Barnwell, S.C., nuclear fuel reprocessing plant owned by Allied Chemical and a Gulf Oil Co. subsidiary. Mr. Stockman has also slammed the door on the synfuels industry.

Mr. Reagan will ask Congress to cut off funding in the current fiscal 1981 budget for the Kentucky plant and three other demonstration projects and delay funding for the Morgantown plant. These cuts will save \$3.63 billion in construction and operating costs between now and fiscal 1985, the administration says.



Kelly Segraves, who filed a lawsuit charging that California violates religious liberties by the 'dogmatic' teaching of evolution in schools, listened in court as judge ruled against his plea.

Both Sides Claim Victory In Evolution Trial in U.S.

By Philip J. Hilts
Washington Post Service
SACRAMENTO — The judge in the California evolution trial has ruled against Christian fundamentalists' plea that their religious liberties are being violated by "dogmatic" teaching of evolution in public schools.

The statement says that "dogmatism [must] be changed to a conditional statement where speculation is offered as an explanation for the origins of man... that science [must] emphasize the 'how' and not the 'ultimate cause' for the origins of man."

Victory Claims

Both sides claimed victory in the suit, the defense because the judge ruled in its favor and the fundamentalists because the judge ordered distribution of the state-mandated textbook.

Richard Turner, lawyer for the fundamentalists, agreed with the judge, although he reserved his right to appeal. "Everybody's a winner. You never get everything you want, so you take what you can get," he said.

Objections From Some Reagan Officials Put Neutron Bomb Production in Doubt

By Walter Pincus
Washington Post Service
WASHINGTON — High-level opposition has developed within the Reagan administration to building neutron missile warheads and artillery shells, putting in doubt a once-certain production decision by the president, according to administration sources.

There is also a U.S. Energy Department concern that not enough of the nuclear material called tritium is available to support a neutron-weapons building program without burning other nuclear-warhead projects.

Although Defense Secretary Caspar W. Weinberger said last month that he favored going ahead with the new generation of short-range nuclear weapons, echoing statements made during the campaign last year by President Reagan, these new foreign policy and nuclear material concerns have been enough to hold up and perhaps kill a production decision.

U.S. May Delay Rich-Poor Talks

United Press International
TOKYO — A conference of rich and poor nations scheduled for June in Mexico will be considerably delayed because President Reagan does not want to attend that soon, Japanese Foreign Ministry sources said Saturday.

The sources said Mr. Reagan is reluctant to take part in a North-South summit meeting on problems between Third World and industrialized countries until after a seven-nation economic summit meeting scheduled for July in Canada.

Japan and some West European countries feel that a North-South conference would be meaningless without U.S. participation, a source said.

The shortage of tritium is being cited as another reason for not going ahead with immediate production of the neutron weapons or the insert devices. The materials shortage stems from competing demands of the major strategic nuclear-weapons building program that is already under way and others planned by the Reagan administration.

Neutron Supporters

Proponents of neutron weapons on Capitol Hill had tried to get the Carter and Reagan administrations to build the tritium inserts and store them in the United States, shipping them to Europe for mating with the Lance warheads and artillery shells only when there was a military crisis.

Fort Lauderdale Fastest Growing Region in U.S.

The Associated Press
WASHINGTON — The New York metropolitan area remains the largest concentration of people in the United States, but the fastest growing area is Fort Lauderdale-Hollywood, Fla., according to new census figures.

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Meurice Hotel in Paris: everything is new... ...except the charm.

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March in Paris

Turkish residents of Paris marched through Paris today to protest the assassination last week of two Turkish by Armenian terrorism. A spokesman estimated that 1,000 persons took part.

Korean Steel Mill World's Largest

Sam Jameson... South Korea — An steel mill, which the ex-could not succeed, has ed all steel plants in the ites in size. And South lanning to build another...



South Korea's steel plans were viewed with skepticism at first.

Hungary Seeking \$500-Million Loan

Budapest's Plan Prompts Speculation Money Is Intended to Aid Poland

By Carl Gewirtz... PARIS — Hungary is about to tap the Euro market for a seven-year credit of some \$500 million, bankers report.

SYNDICATED LOANS

being organized by Midwest banks... Paris — Hungary is about to tap the Euro market for a seven-year credit of some \$500 million, bankers report.

Daimler-Benz Leads Expansion Into U.S.

By John Tagliabue... STUTTGART, West Germany — The agreement reached Friday between West Germany's Daimler-Benz and Consolidated Freightways of San Francisco...

had been negotiating the sale of its truck business with both Daimler and Freightways, and, indeed, may have been playing one off against the other.

Major Differences... Daimler, like most European manufacturers, shied away from the custom truck building that is widespread in the United States...

'81 Bond Volume Is Respectable

By Carl Gewirtz... PARIS — Despite the continued boycott by buyers and issuers, the volume of new business transacted so far this year on the Eurobond market is at a respectable level.

EUROBONDS... equivalent of \$3.28 billion, not far behind the record monthly average of \$2.03 billion set a year ago.

Higher Proportion... Only 42 percent of these flows represent principal repayments. The bank notes, however, that by 1985 the proportion changes substantially with 64 percent of that year's \$17.1 billion of reflows representing principal repayments.

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CURRENCY RATES

Table with columns for Currency, Unit, and Rate. Includes sub-tables for Dollar values and Interbank exchange rates for March 6, 1981.

Varco International Finance N.V.

Advertisement for Varco International Finance N.V. featuring U.S. \$20,000,000, 8 1/2% Convertible Subordinated Debentures Due 1996, and a list of participating banks.

ישראל

Israeli Engineers Mine the Sun's Potential

David K. Shipley SHEBA, Israel — Take a sunny day with you, plenty of sunshine, and you have a perfect laboratory for intensive solar energy.

At the hill, and in recent years, the help of grants from government and private industry, scientists say that progress has been made in harnessing some of the 250 watts per square yard of energy that are estimated to fall on an average sunny day.

At every three Israeli solar panels, one is ready to get hot water from solar energy — simple, plates placed with water absorb sunlight — and produce about 1.5 percent of the country's energy needs.

Although this is a small amount, one of the highest in the world, according to the Ministry of Energy, experts say that the number of solar panels is expected to rise by 50 percent in the next few years and, by 2000, about 10 percent of the country's energy is scheduled.

Research, which spend about \$5 million a year on increasing urgency as expenditures for oil have risen to \$775 million in 1978 and \$2.25 billion last year, Arab boycott, combined with the Sinai lease, have given Israeli purchases of oil a new impetus.

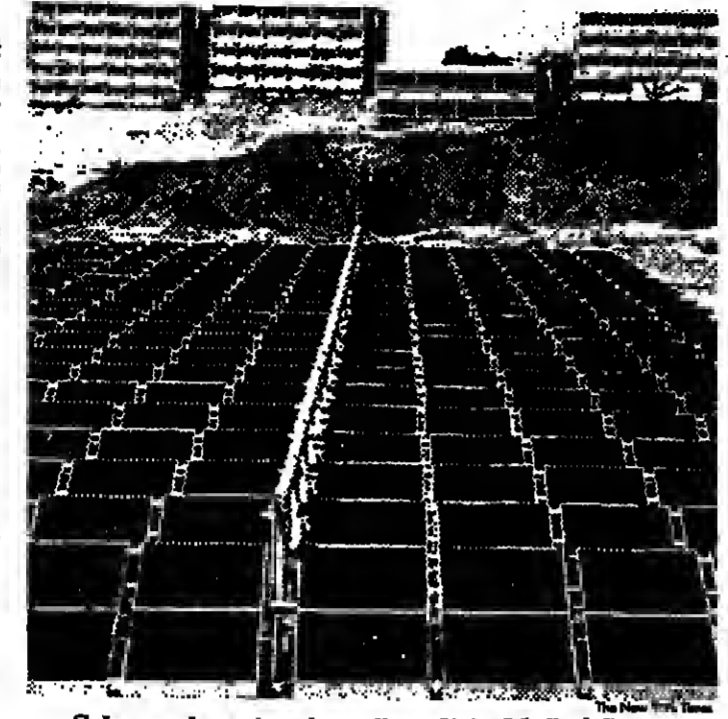
At electricity in the country, by burning oil to generate power, or coal in power plants, is a costly operation. Several advances in the solar energy field have raised hopes that solar panels can make electric power within the next decade or so.

The best-proven advance has been in the solar pond, set up at Ein Bokek on the Dead Sea by Ormat Turbines. Unfortunately, there are few places in the world where it will work.

Besides long hours and long seasons of sunshine, you need water that is five times the salinity of sea water, according to Lucien Brackish, president of Ormat. Utah's Great Salt Lake and California's Salton Sea are suitable, he said.

Ormat is under contract with Southern California Edison to duplicate what is being done at the Dead Sea.

There, in the Judean Desert alongside the Dead Sea, a 9,000-square-yard pond (under two acres) has been built, eight feet deep and lined with rubber. Heavy salt water from the Dead Sea stagnates at the bottom, covered with a three-foot layer of lighter, brackish water from local wells.



Solar panels used to air condition Shiba Medical Center

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The cells have been developed mostly in the United States. Professor Restfeld said, but because of the requirement that the silicon crystals be of high quality, the cost is prohibitive — about \$8,000 to \$10,000 per peak kilowatt. A peak kilowatt is the power generated in ideal conditions of bright, direct sunlight.

By treating plate glass with certain chemicals, which she would not identify pending acceptance of a patent, she has found that light can be reflected and directed so that it does not pass through the glass, but emerges at its edges.

In the process, it is converted into slightly longer wavelengths, to which the photovoltaic cells are most sensitive. By silencing all but one edge, she explained, the light could be directed intensely at cells positioned along that edge.

The work has been done only in the laboratory, Professor Restfeld cautioned, but seems to raise the hope that inexpensive solar collectors of plate glass can be manufactured that will help make the use of photovoltaic cells more economical.

Another major development has been made in Beersheva by Herman Branner, a Soviet-born professor of hydrodynamics at Ben Gurion University, who has demonstrated under laboratory conditions that liquid mercury can be impelled by a low heat source through a magnet, generating an electric field.

Both Soviet and American scientists have worked in the field, known as magneto-hydrodynamics, but usually at high temperatures of 7,000 to 9,000 degrees Fahrenheit, Professor Branner said. His system can operate at about 176 and about 1,300 degrees Fahrenheit, he explained, low enough so that even a wood fire could generate electricity.

Although the Israeli-based Solmees Corporation has decided to build a pilot plant for the system, the Energy Ministry, which has financed the research, does not feel the method has been proved sufficiently. Ministry advisers say that each of the liquid metals proposed has its drawbacks.

As the sunlight penetrates the pond, the saline water rises in temperature. But because it is so much heavier than the surface of brackish water, it cannot rise. There is no convection and therefore no normal cycle of rising, cooling and sinking again. The saline water stays on the bottom, where temperatures reach 201 to 202 degrees Fahrenheit, just below boiling, but enough to turn a liquid in the room family, which boils at a low temperature into a hot vapor that will spin a turbine.

Because water stores heat well, Ormat has found that it can pump enough hot water from the bottom of the pond, day and night, all year round, to run a 150-kilowatt generator, enough for a small hotel. Now the company plans a 62-acre pond to produce five megawatts, a \$20 million project to which the Ministry of Energy is contributing \$16 million.

Research in another area, treating glass, is being done by a chemistry professor at Hebrew University, Renata Restfeld. She has a joint grant from the U.S. Department of Energy and Israel's Ministry of Energy.

The objective, she explained, is to cut the cost of using photovoltaic cells, which are clusters of silicon crystals that, when bombarded by photons of sunlight, release electrons to travel through a closed circuit.

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The system is absolutely simple," Mr. Branner declared. "It has nothing but a series of pipes. Nothing moves, no moving mechanical parts." He and Solmees have estimated that it may produce electricity at 5.5 cents a kilowatt hour, as opposed to Israel's present cost of 10 cents.

Another project involves a rooftop cooling system, in which water, heated by sunlight, raises the temperature of a coolant known as lithium bromide, which in turn cools water in a separate system as it contracts. It is ready to begin operation in two or three months at a new hospital in Tel Aviv, where it will cool about one-third of the building.

International Bond Prices — Week of March 6

Provided by White Weld Securities, London; a Division of Financiere Credit Suisse - First Boston

Table of international bond prices including columns for Country, Maturity, Price, and Yield. Includes sub-sections for Convertible Bonds and Mutual Funds.

Oppenheimer Sets New Course

New York Times Service NEW YORK — "We expand in North America," Harry Oppenheimer, of Anglo American and Consolidated Mines, the largest gold and diamond companies, which are

Oppenheimer was explaining the decision to transfer more of the company's assets to an Anglo American subsidiary, predicting that the new center on natural resources, Mr. Oppenheimer said, is reflected, however, in industry rumors that he

He is on such U.S. mining fields as Nevada, New Mexico and Arizona, the last of which used a takeover bid last year by Standard Oil of California.

Mr. Oppenheimer last outlined proposals to the financial muscle of Anglo American and Consolidated Mines, which merged in recent years as Anglo American.

Mr. Oppenheimer's main interest is a 27.3 percent stake in Anglo American, which he acquired in 1979, and 52 percent in the following year. The proportion is expected to rise to around 65 percent in the current financial year, but Englehard's policy of financing expansion mainly from internal sources has resulted in a very conservative dividend policy, thereby giving Minoro a relatively low cash flow.

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Harry Oppenheimer

Under the restructuring proposals, its assets would be increased by \$807.4 million, to almost \$2 billion. A three-part restructuring program will be undertaken to accomplish the transfer. First, Minoro will take over the 28.9 percent interest in Consolidated Gold Fields, a mining house based in London.

Minoro will then become the largest single shareholder in Consolidated Gold, whose main asset is a 46 percent stake in Goldfields of South Africa, one of the country's leading mining houses.

Second, Anglo American and De Beers will transfer to Minoro their 35.8 percent holding in Charter Consolidated, a British mining and industrial company.

Finally, Minoro is to take full control of Anglo American of Canada, or Amcan, which already has an interest in several modest oil and gas ventures in the United States, Canada and Indonesia.

Minoro's energy interests were bolstered last year when Englehard, in return for silver trading debts owed by the Hunt brothers of Texas, acquired a 20 percent stake in the Hunt's oil exploration activities in northern Canada. In addition, Charter is negotiating with British Petroleum for participation in a North Sea oil field.

Paradoxically, while Minoro's base is being broadened, Anglo American itself has come to rely increasingly on a single product, gold. The metal accounted for 37 percent of investment income in the year that ended on March 31, 1979, and 52 percent in the following year. The proportion is expected to rise to around 65 percent in the current financial year, but Englehard's policy of financing expansion mainly from internal sources has resulted in a very conservative dividend policy, thereby giving Minoro a relatively low cash flow.

The group's 10 mines produce more than a quarter of the West's gold.

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Consolidated Trading Of NYSE Listings

Table showing consolidated trading of NYSE listings with columns for Volume, High, Low, and Change.

Table showing Eurobond yields for various countries and maturities.

Table showing market turnover for various countries and currencies.

Table showing gold options prices for various maturities.

Advertisement for BEC (Banque Européenne de Crédit) for international finance, including contact information.

Large advertisement for Bank Mees & Hope NV, featuring a logo and text about 11% bonds due 1987/1991.

U.S. Airline

U.S. Airlines — Continental Friday lost two last-ditch bids to block the purchase of its stock by Texas and Airlines which is to defeat the merger of Continental and Western Airlines.

Continental had asked the CAB day delay in the start of rebids at the request of Texas, which said it wanted to raise money for a competitor for its airline's bid. The CAB said it had no interest with TIA's tender his "late date." Two hours later, Continental's bid was rejected.

Advertisement for Valours White Weld S.A., a Swiss bank, including contact information.

International Bond Prices - Week of March 6

Provided by White Weld Securities, London; a Division of Financiere Credit Suisse - First Boston

Table of international bond prices with columns for Amn Security, Middle Price, Conv. Price, Conv. Pct, and Curr. Yield. Includes sub-sections for (Continued from Page 9) and (Continued from Page 10).

HIGHEST CURRENT YIELDS

On convertibles having a conversion premium of less than 10%.

Table listing convertible bonds with their respective yields and conversion premiums.

Explanation of Symbols

Key for symbols used in the bond tables, including Amn, Middle, Conv, and Curr.

Over-the-Counter

Large table of over-the-counter market data, including various stock and bond prices, organized in multiple columns.

American Exchange Options

Table of American exchange options with columns for Option & Price, Class, and Close. Includes sub-sections for For the Week Ending March 6, 1981 and American Exchange Options.

SENIOR EXECUTIVE POSITIONS

Table listing senior executive positions with columns for Position, Salary, Employer, Locat., Qualifications, Contact, and Source.

Advertisement for The Council of Europe Resettlement Fund, featuring Japanese Yen Notes of 1981 - Series A, 10,000,000,000 Japanese Yen, 8.9% Notes due 2001.

Handwritten Arabic text at the bottom of the page.

Counter

April 1981

Over-the-Counter market data table with columns for various securities and their prices.

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Treasury Bills table listing various Treasury bill denominations and their yields.

Consolidated Trading Of AMEX Listings table showing stock prices and trading volumes.

Kreditlux Indices table showing various market indices.

Top-Ranked Oregon State Is Beaten, 87-67

Virginia, LSU Are Also Upset; Louisville Solves Slowdown
CORVALLIS, Ore. — After a wave of upsets hit postseason college basketball tournaments on Friday night, Oregon State was beaten Saturday in its last regular-season game and defending national champion Louisville clinched its conference title and rolled into the NCAA playoffs.

College Basketball

FRIDAY game results table for college basketball.

College Basketball

FRIDAY game results table for college basketball.



In a bit of passing fancy, Larry Bird of the Boston Celtics flips a pass around Indiana's Mike Bantom during the Pacers' 110-104 victory Friday in Indianapolis. Bird scored 28 points in the game.

NHL Standings

NHL Standings table showing team records and statistics.

Transactions

Transactions table listing player movements between teams.

NBA Standings

NBA Standings table showing team records and statistics.

Chicago Exchange Options

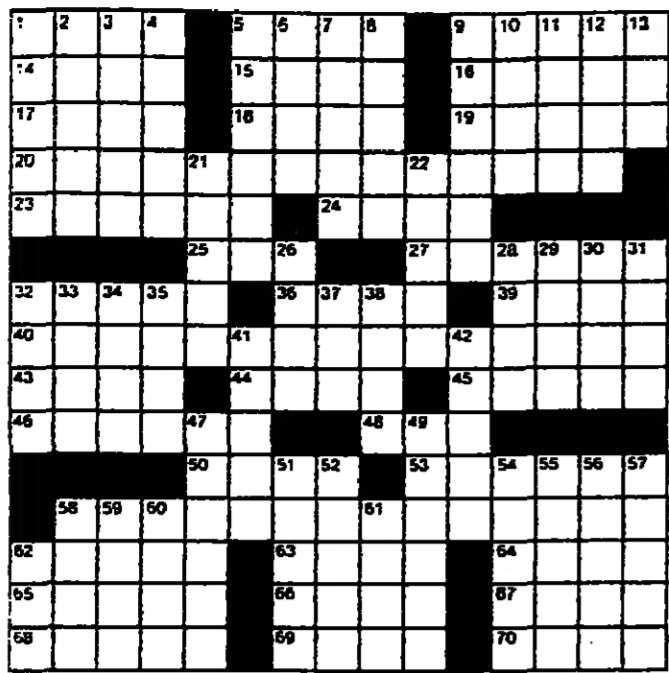
Chicago Exchange Options table with columns for option types and prices.

More Sports On Page 13

Burroughs Traded For Mariners' Diaz
WEST PALM BEACH, Fla. — The Atlanta Braves traded outfielder Jeff Burroughs to the Seattle Mariners Saturday for relief pitcher Carlos Diaz, ending an impasse caused by an outstanding loan the Braves made to the left fielder.

CLASSIFIED ADVERTISEMENTS section including ESCORTS & GUIDES, RESTAURANTS NIGHT CLUBS, and other services.

CROSSWORD By Eugene T. Maleska



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15 'The Gentleman Is a...' 1947
16 African antelope
17 In the center
18 Greek underground org
19 British coins
20 Showing age
23 Primp
24 British machine gun
25 Word with claw or drop
27 Gained
32 Fragrance
36 Retired court figure
39 Former southern constellation
40 Hoarseness
43 Hindu deity
44 Roman way
45 Plant fiber
46 'Louise' and 'Martha'
48 Put one's in

DOWN

- 1 Part of the head
2 Defensive body covering
3 Fishing net
4 Noncommittal statement
5 H.C. Andersen's birthplace
6 Stupid one
7 Brightly colored food fish
8 Adjust a clock
9 Testify under oath

Solution to Friday's Puzzle



WEATHER

Table with columns for High/Low and weather conditions for various cities including Albany, Amsterdam, Ankara, Athens, Auckland, Bangkok, Beirut, Belgrade, Berlin, Brussels, Bucharest, Budapest, Caracas, Casablanca, Chicago, Copenhagen, Costa Del Sol, Dublin, Edinburgh, Florence, Frankfurt, Geneva, Helsinki, H.K. Minh City, Houston, Jakarta, Jerusalem, Johannesburg, Las Palmas, Lima, Lisbon, London, Los Angeles, Madrid, Manila, Mexico City, Miami, Milan, Montreal, Moscow, Munich, Nassau, New Delhi, New York, Nice, Oslo, Paris, Peking, Prague, Rio De Janeiro, Rome, Singapore, Stockholm, Sydney, Taipei, Tehran, Tel Aviv, Tokyo, Toronto, Tunis, Venice, Vienna, Warsaw, Washington, Zurich.

RADIO NEWCASTS BBC WORLD SERVICE

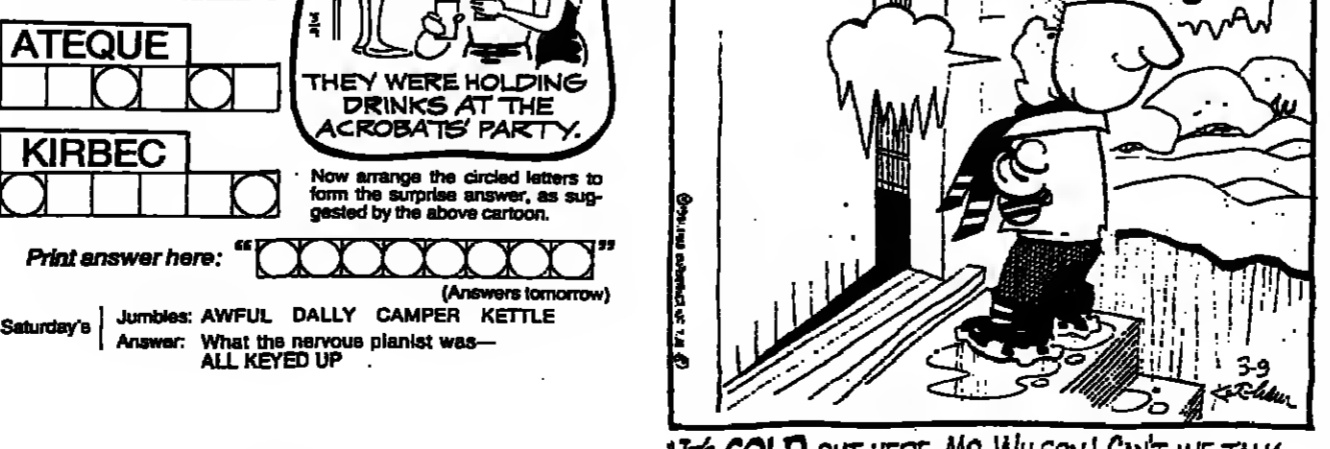
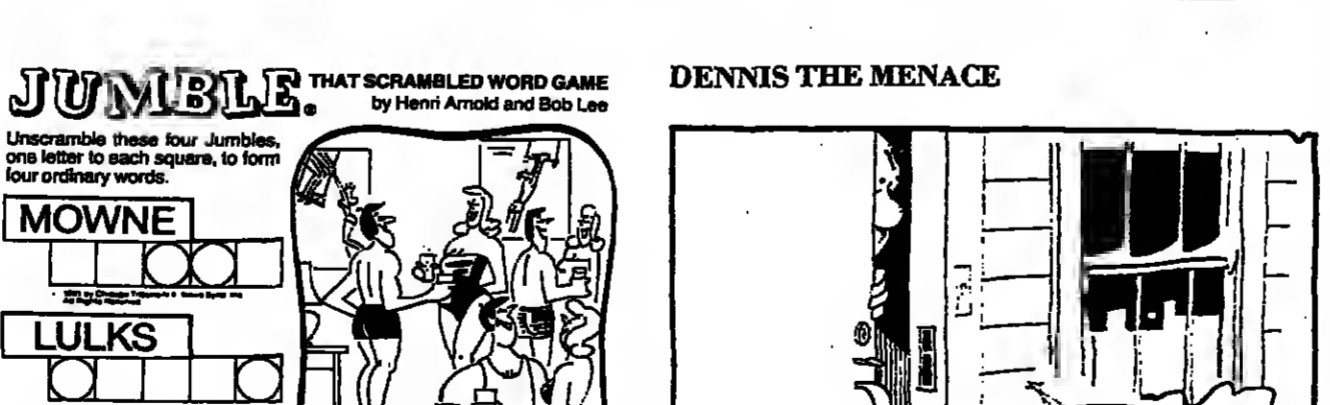
Broadcasts of 0200, 0230, 0300, 0400, 0500, 0600, 0700, 0800, 0900, 1100, 1200, 1400, 1700, 1900, 2000, 2200, 2300 (All times GMT).
Suspected frequencies:
Western Europe: 448KHz and 452M Medium Wave, 5.975, 6.050, 7.730, 7.785, 7.255, 9.410, 9.730, 12.295 and 15.070 KHz in the 49, 41, 23 and 19 meter bands.

VOICE OF AMERICA

The Voice of America broadcasts world news in English on the hour and at 28 minutes after the hour during varying periods to different regions.
Suspected frequencies:
Western Europe: KHz 15.240, 7.235, 6.050, 5.975, 3.980, 1.977, 7.720, 11.740, 9.740, 1.250 in the 19.2, 41.1, 49.3, 50.4, 73.7, 231 (medium wave), 377 (medium wave), 255, 262 and 222 (medium wave) meter bands.

Tunnel of Love Lawsuit Unrequited

ST. PAUL, Minn. — A couple who got soaked in the tunnel of love came up dry in their lawsuit seeking \$15,000 in damages from two men they accused of robbing the boat.
David and Shirley Roberts, of Waconia, Minn., sought damages for "humiliation and disgrace" suffered when a boat sank in Ye Old Mill, a tunnel of love ride at the Minnesota State Fair. At the ride, wooden boats are propelled through a pitch-black tunnel in about 2 feet of water.
A Ramsey County District Court jury decided after deliberating an hour Thursday that the couple was not entitled to damages in the Aug. 24, 1979, incident.



Imprimé par P.I.O. - 1, Boulevard Ney 75018 Paris

BOOKS

JOHN VON NEUMANN AND NORBERT WIENER
From Mathematics to the Technologies of Life and Death
By Steve J. Heims. MIT Press. Illustrated. 547 pp. \$19.95

Reviewed by Christopher Lehmann-Haupt

If one could reduce this fascinating study to a parody of its essence, one might describe it as an exercise in Manichaean psychohistory — a division of the modern scientific world into light and darkness. In one corner, we find good Norbert Wiener of the Massachusetts Institute of Technology, best known for his work in the field of cybernetics, whose name he derived from the Greek word for "whiskers."

Why did Von Neumann end up building the H-bomb, promoting the U.S. nuclear arms race with the Soviet Union and selling his soul to political power, as the author asserts he did? Because, in the author's view, as an aristocratic Hungarian Jew, Von Neumann had come from a milieu where one courted power in order to survive, and anyway, his brilliant mind was such that he saw life as a theoretical contest, and his personality was such that he thought he could never lose.

Drawn to Reconciliation
And why did Norbert Wiener end up refusing to play games with what Steve J. Heims calls "the technological-industrial-military power center?"

Except that one can't reduce this fascinating book to a parody of its essence. One can't even reduce it to an essence. Heims, once a research physicist and now a historian of science who teaches intermittently, takes too many pains to avoid making generalizations or jumping to conclusions. Oh, sure, he slips now and then: At one point he declares that the reason the United States dropped atomic bombs on Hiroshima and Nagasaki was not to speed "the end of the war — the bombs were not necessary for that purpose, and the U.S. government knew that — but rather to flex our national muscle and be in a position to impose our terms vis-a-vis the Soviet Union in the impending peace negotiations." This conclusion is a bit

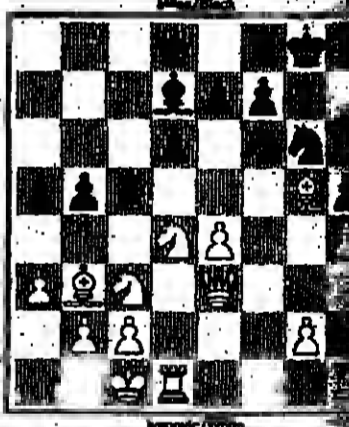
CHESS

It would only be fair, since Saint George is venerated for slaying the dragon, that Anthony Miles receive an equivalent honor from the other side, for no one has done more to resuscitate the Sicilian Dragon than this British grandmaster.
The infernal skill that Miles brings to the Dragon is in large part responsible for his excellent scores with Black and thus for his outstanding tournament performances. His most recent success was in the Vlasov, Yugoslavia, International Tournament, where he took first prize in a strong field with a 7-4 score.

Table with columns: Player, Wins, Losses, Draws, Points. Lists players like Petrosian, Adelman, Yusupov, Ivancovic, Sax, Gligoric, Tsvay, Velimirovic, Dube, Popovic.

Bozidar Ivanovic, a Yugoslav grandmaster, attempted to play the role of Saint George but was incinerated by Miles' fire-breathing dragon. The White system with moves 6-11 constitutes a main line of the Yugoslav attack, which is based on the plan of holding a solid center and aiming sword thrusts against the Black king position. However, after Miles' favorite 11... P-KR4!, White is denied the chance to cut his way through with the pawn sacrifice 12 P-R5, and several attempts with the double pawn sacrifice 12 P-N4, P-P, 13 P-R5 have not succeeded.

After 13... R-B4, Anatoly Karpov's 14 KR-K1 was adopted by the British grandmaster John Nunn against Miles in London last year, but 14... P-N4; 15 P-B4, N-B5; 16 KBxN, RxB1; 17 BxN, N-B5; 18 P-K5, B-N2; 19 N/3xP, Q-N1; 20 N-QB3, PxP; 21 P-P, B-N5; 22 Q-Q3, R-B4; 23 N-B3, BxN; 24 QxP, BxP put the heat on the vulnerable White king.
The Yugoslav grandmaster Ljubomir Ljubovic failed twice against Miles trying to pierce the dragon's hide with 16 P-K5, yet Ivanovic hoped to subdue it with 16 P-B5, threatening 17 PxP, P-P; 18 P-K5!, P-P; 19 N/4xP with a decisive pin of the Black QN.



Position after 18 P-R2

19... P-N5. One possible one queen would have been 20 PxP, P-N5, N-Q5, NxN; 22 BxN, Q-R4; N-N3, BxPch; 24 KxK, RxBch; KxR, Q-R7ch; 26 K-B1 (26 K-Q3, Kxch; 27 K-Q4, Q-N7ch; 28 QxQ, QxQ), R-B1ch; 29 K-B5, R-Nc2; 28 QxR, Q-R6ch; 29 K-N1, PxQ. It here the White king is still the most exposed.

Ivanovic showed the purely defensive 20 BxN, BxP; 21 N-R4, BxN; BxB, but after 22... Q-N3 (23 P-N3, RxBch), the dragon counter-attack was all set.
On 23... PxP, the recapture with 24 PxP? would have dropped a pawn to 24... R-B5, so Ivanovic had yielded a pawn by 24 QxP, BxN; RxB, RxBch; 26 BxR, QxR.
It would not have worked to play 27 QxR, Q-N8ch; 28 B-Q1, QxP, R-QB3, QxP; 30 QxP, R-R1; 31 QR3, R-B1ch; 32 R-B3, RxBch; P-R, QxP, but Ivanovic's passive defense at moves 27-32 was also hopeless.

Ivanovic made a last desperate gasp with 33 P-K5?, QxP; 34 B-B7, gawking at the shattering 34... N-R5ch; 35 QxN, RxBch; K-R2, Q-Q8! allows no defense, gave up.

Ivanovic's 19 P-R3 gave Miles a concrete target to be pursued by

JUMBLE THAT SCRAMBLED WORD GAME

Unscramble these four Jumbles, one letter to each square, to form four ordinary words.
MOWNE
LULKS
ATEQUE
KIRBEC

Print answer here:
Saturday's Jumbles: AWFUL DALLY CAMPER KETTLE
Answer: What the nervous pianist was — ALL KEYPED UP

DENNIS THE MENACE



It's cold out here, Mr. Wilson! Can't we talk about it bein' me again from in there?

